

## Recovery Plan Action Status

**Plan Name:** Barton Springs Salamander Recovery Plan

**Plan Status:** Final

**Plan Date:** 21-Sep-05

**Lead Agency:** USFWS

**Lead Office:** Austin Ecological Services Field Office

(4914)  
(490-0057)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Barton Springs salamander (Eurycea sosorum)	1	1.1.1	Identify, field verify, and map stream crossings and major recharge features and potential sources of catastrophic spills	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Texas Department of Transportation, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.1.3 and 1.1.4
Barton Springs salamander (Eurycea sosorum)	1	1.1.2	Develop a comprehensive database to track potential sources of spills that occur in the Barton Springs watershed	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Texas Department of Transportation, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.1.3 and 1.1.4
Barton Springs salamander (Eurycea sosorum)	1	1.13	Develop and implement a catastrophic spill avoidance plan	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Texas Department of Transportation, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)

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Barton Springs salamander (Eurycea sosorum)	1	1.14	Develop and implement a comprehensive regional spill containment and remediation plan	Not Started			U.S. Environmental Protection Agency, Texas Department of Transportation, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	1	1.15	Implement effective maintenance procedures for existing and future spill containment structures	Not Started			U.S. Environmental Protection Agency, Texas Department of Transportation, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	1	1.2.1	Develop and implement a regional approach to water quality protection that encompasses the entire Barton Springs watershed	Not Started			Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Travis County , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	1	1.2.2	Maintain a comprehensive water quality database for the Barton Springs watershed to house water quality information and evaluate the data to use in adaptive management actions to ensure long-term water quality protection	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin , Texas Commission on Environmental Quality, University of Texas at Austin, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1 and 1.2.5

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Barton Springs salamander (Eurycea sosorum)	1	1.2.3.1	Evaluate sediment quality at specific sites throughout the Barton Springs watershed	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5, and 3.4
Barton Springs salamander (Eurycea sosorum)	1	1.2.3.2	Determine chronic and acute contaminant transport through the aquifer and potential interactions with salamander habitat	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1 and 1.2.5
Barton Springs salamander (Eurycea sosorum)	1	1.2.3.3	Conduct baseflow, stormwater, and biological monitoring at the springs and at sites throughout the Barton Springs contributing and recharge zones	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1 and 1.2.5

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Barton Springs salamander (Eurycea sosorum)	1	1.2.4.1	Monitor and evaluate the compliance of existing regulations requiring the use of BMPs and the effectiveness of new and existing BMPs on minimizing sediment and other contaminant input into the aquifer and contributing streams	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5, and 3.4
Barton Springs salamander (Eurycea sosorum)	1	1.2.4.2	Monitor and evaluate the effectiveness of pollution mitigation programs	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5, and 3.4
Barton Springs salamander (Eurycea sosorum)	1	1.2.4.3	Evaluate buffer zone size and location for sensitive environmental features	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, Lower Colorado River Authority , City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5, and 3.4
Barton Springs salamander (Eurycea sosorum)	1	1.2.4.4	Implement programs to protect critical environmental features (caves, sinkholes, fissures, springs, and riparian zones)	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)

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Barton Springs salamander (Eurycea sosorum)	1	1.2.4.5	Reduce pollutant loading from existing development and transportation infrastructure	Not Started			Texas Department of Transportation, Lower Colorado River Authority , City of Austin , Travis County , Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	1	1.2.4.6	Monitor and evaluate the extent and effects of impervious cover	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5
Barton Springs salamander (Eurycea sosorum)	1	1.2.5	Develop, implement, and modify programs to identify and correct problems from point and non-point source discharges	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	1	1.2.6	Use existing information and conduct research to determine the potential effects of different levels of water quality constituents, pollutants, and contaminants on the Barton Springs salamander, its prey base, and its habitat	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, City of Austin , Travis County , Texas Commission on Environmental Quality, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1, 1.2.5

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Barton Springs salamander (Eurycea sosorum)	1	1.2.7	Develop and implement a land preservation strategy for the Barton Springs watershed	Not Started			City of Austin , Travis County , Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); estimated cost is given only for strategy development; does not reflect cost associated with acquiring land
Barton Springs salamander (Eurycea sosorum)	1	2.1.1	Determine aquifer characteristics and recharge patterns	Not Started			U.S. Geological Survey, City of Austin , Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1
Barton Springs salamander (Eurycea sosorum)	1	2.1.2	Develop Barton Springs watershed models to predict effects of increasing impervious cover, flooding, and groundwater pumping	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 1.2.1 and 2.2.1
Barton Springs salamander (Eurycea sosorum)	1	2.1.3	Monitor aquifer and springflow levels under normal and drought conditions	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1

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Barton Springs salamander (Eurycea sosorum)	2	2.1.4	Monitor bad water line encroachment under low flow conditions	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1
Barton Springs salamander (Eurycea sosorum)	2	2.1.5	Investigate aquifer recharge enhancement potential in the recharge and contributing zones	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1
Barton Springs salamander (Eurycea sosorum)	1	2.1.6	Refine understanding of water quantity requirements for Barton Springs salamander and determine withdrawal volumes and aquifer levels that will maintain adequate springflow	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1
Barton Springs salamander (Eurycea sosorum)	1	2.1.7	Refine understanding of water balance within the Barton Springs Segment so that major sources of recharge can be better located and quantified	Not Started			U.S. Geological Survey, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District, University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports actions 2.2.1 and 2.2.2

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Barton Springs salamander (Eurycea sosorum)	1	2.2.1	Develop and implement a regional Aquifer Management Plan using Barton Springs watershed model predictions to ensure protection of aquifer levels and springflows under normal and drought conditions	Not Started			U.S. Fish and Wildlife Service, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	2	2.2.2	Develop, implement, and modify measures to protect existing recharge features from plugging and filling	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, City of Austin , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	2	3.1	Maintain a comprehensive database on the spring habitats of the Barton Springs salamander	Not Started			U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4. This action will be implemented on a continual basis.
Barton Springs salamander (Eurycea sosorum)	1	3.2	Monitor the health and stability of the salamander prey base	Not Started			U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , Texas Commission on Environmental Quality	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4. This action will be implemented on a continual basis.



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Barton Springs salamander (Eurycea sosorum)	1	3.3	Implement research programs to further study the habitat requirements of the Barton Springs salamander	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Research: Ecosystem Studies	Graduate Student, Species Expert	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4  A graduate student at the University of Texas at Austin is conducting research using stable isotope analysis to assess the feeding ecology and predation threats to the Barton Springs salamander.
Barton Springs salamander (Eurycea sosorum)	1	3.4	Continue to monitor, manage, and provide protection for existing spring habitats, and modify management actions when new information warrants changes	Ongoing Current	FY 2000 - FY 2004		City of Austin	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)  The City of Austin regularly monitors habitat conditions and conducts habitat management activities at Barton Springs.
Barton Springs salamander (Eurycea sosorum)	2	4.1.1	Monitor Barton Springs salamander populations in the wild to ensure long-term stability and viability	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Management: Population Monitoring	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4. This action will be implemented on a continual basis.  City of Austin conducts monthly surveys for the Barton Springs salamander at all four spring sites known to have been occupied by this species. This is part of the requirements of the Barton Springs Pool HCP.

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Barton Springs salamander (Eurycea sosorum)	2	4.1.2	Explore and develop marking techniques and conduct mark/recapture research	Ongoing Current	FY 2009		U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Research	Species Expert	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4  Research to develop marking techniques has begun, but mark/recapture research has not begun on the Barton Springs salamander
Barton Springs salamander (Eurycea sosorum)	2	4.1.3	Determine gene flow and migration between the four spring sites and genetic variation within, and among, the sites	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4

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Barton Springs salamander (Eurycea sosorum)	1	4.1.4	Investigate effects of various flow levels, especially low flows, on the salamander and the spring ecosystem	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , Barton Springs/Edwards Aquifer Conservation District, University of Texas at Austin	Research: General	Species Expert	<p>Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 2.2.1</p> <p>A University of Texas laboratory study of salamander response to variations in DO and conductivity has been completed. It compared metabolic rates between the San Marcos salamander and the Barton Springs salamander. Experiments were also performed to determine adult mortality and juvenile growth responses to DO levels. This research is currently under review for publication. Recommendations for future research into this subject are being considered.</p>
Barton Springs salamander (Eurycea sosorum)	2	4.1.5	Investigate the reproductive and other life history characteristics of the Barton Springs salamander	Not Started			U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4 and 5.1
Barton Springs salamander (Eurycea sosorum)	2	4.1.6	Investigate the genetic characteristics and variation in the Barton Springs salamander at the individual and population level	Not Started			U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4 and 5.1

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Barton Springs salamander (Eurycea sosorum)	2	4.1.7	Conduct a population viability analysis of the Barton Springs salamander	Not Started			U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)
Barton Springs salamander (Eurycea sosorum)	3	4.2	Investigate the prevalence, character, and cause of gas saturation in the water of spring habitats in the Barton Springs watershed	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin, Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District, University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4
Barton Springs salamander (Eurycea sosorum)	3	4.3	Determine the short and long-term impacts of gas bubble trauma on the Barton Springs salamander	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin, Texas Commission on Environmental Quality, University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4
Barton Springs salamander (Eurycea sosorum)	3	4.4	Develop and implement actions that prevent, avoid, or minimize the effects of gas bubble trauma on the Barton Springs salamander and other aquatic life in the spring ecosystem	Not Started			U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, City of Austin, Texas Commission on Environmental Quality	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); supports action 3.4

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Barton Springs salamander (Eurycea sosorum)	1	5.1	Develop a comprehensive Barton Springs salamander captive propagation and contingency plan consistent with the Service's Policy Regarding Controlled Propagation of Listed Species Listed Under the Endangered Species Act	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , Texas State University - San Marcos, University of Texas at Austin	Management: Planning	Internal Field Assistance, Internal Technical Assistance, Species Expert	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); support action 5.3; in fy05 the City of Austin began drafting a contingency plan.
Barton Springs salamander (Eurycea sosorum)	1	5.2	Develop dependable captive breeding and reintroduction techniques	Ongoing Current			U.S. Fish and Wildlife Service, City of Austin , Texas State University - San Marcos, University of Texas at Austin	Work type not yet selected	Labor type not yet selected	Priority 1(b); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); support action 5.3  The City of Austin maintains Barton Springs salamanders in captivity and is actively working to develop dependable captive breeding techniques for this species
Barton Springs salamander (Eurycea sosorum)	1	5.3	Establish, maintain, and monitor captive breeding populations to maintain adequate captive populations	Not Started			U.S. Fish and Wildlife Service, City of Austin , Longhorn Partners Pipeline, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Priority 1(a); costs are for 2 years at a time (i.e., 2005-2006; 2007-2008); should be performed in accordance with action 5.1. This action will be implemented on a continual basis.

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Barton Springs salamander (Eurycea sosorum)	3	6.1	Develop, evaluate, and update education and outreach programs and materials to increase public awareness about the Barton Springs salamander and its habitat	Ongoing Current			U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, City of Austin , Other jurisdictions/entities , as appropriate	Other: Information and Education	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008). This action will be implemented on a continual basis.  The City of Austin operates the "Splash!" exhibit and other programs designed to educate the public on the Barton Springs salamander and the Edwards Aquifer.
Barton Springs salamander (Eurycea sosorum)	3	6.2	Develop, evaluate, and disseminate information about how to avoid spills and other sources of water quality degradation within the Barton Springs watershed	Not Started			U.S. Department of Agriculture, U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Texas Parks and Wildlife Department, Lower Colorado River Authority , City of Austin , Travis County , Texas Commission on Environmental Quality, Natural Resource Conservation Service, Hays County, Other jurisdictions/entities , as appropriate	Work type not yet selected	Labor type not yet selected	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008). This action will be implemented on a continual basis.
Barton Springs salamander (Eurycea sosorum)	3	7.1	Develop a post-delisting monitoring plan for the Barton Springs salamander	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, Texas Parks and Wildlife Department, City of Austin , Travis County , Texas Commission on Environmental Quality, Barton Springs/Edwards Aquifer Conservation District, Hays County, Other jurisdictions/entities , as appropriate	Management: Planning	Internal Field Assistance, Internal Technical Assistance, Species Expert	Costs are for 2 years at a time (i.e., 2005-2006; 2007-2008)